



## AMENDMENTS TO THE CLAIMS

The following is a complete listing of all claims:

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1. (previously amended) A method of increasing systemic tryptophan comprising the administration of an effective amount of niacin for increasing systemic tryptophan to a patient in need of an increase in systemic tryptophan wherein the patient is infected with a retrovirus and wherein the patient has a diet that includes at least the RDA [recommended daily allowance] of niacin and tryptophan.
  2. (cancelled)
  3. (cancelled)
  4. (cancelled)
  5. (cancelled)
  6. (cancelled)
  7. (cancelled)
  8. (cancelled)
  9. (cancelled)
  10. (cancelled)
  11. (cancelled)

12. (cancelled)
13. (cancelled)
14. (previously amended) The method of claim 1 wherein the effective amount is greater than 100 milligrams per day.
15. (previously amended) The method of claim 1 wherein the effective amount is approximately 3 grams per day.
16. (previously amended) The method of claim 1 wherein the effective amount exceeds the standard recommended daily amounts for coenzyme activity.
17. (previously amended) The method of claim 1 wherein the effective amount exceeds amounts normally obtainable with routine diet and supplement practices.
18. (previously amended) The method of claim 1 wherein the effective amount exceeds the RDA [recommended daily allowance] of niacin.
19. (previously amended) The method of claim 1 wherein the effective amount is sufficient to raise the intracellular levels of nicotinamide adenine dinucleotide [NAD] in persons with HIV infection.
20. (previously amended) The method of claim 1 wherein the effective amount is sufficient to replete nicotinamide nucleotide precursors [NAD].
21. (previously amended) The method of claim 1 wherein the effective amount of niacin is administered to persons with HIV and other co-infections.

22. (previously amended) The method of claim 1 wherein the effective amount of niacin is administered in combination with antiviral medications selected from the group consisting of reverse transcriptase inhibitors and protease inhibitors.
23. (previously amended) The method of claim 1 wherein the effective amount is administered in combination with other treatments for HIV infection to improve the metabolic status of an infected patient.
-  24. (cancelled)
25. (previously added) The method of claim 1 wherein the effective amount of niacin is administered in combination with antiviral medications.
26. (previously added) The method of claim 1 wherein the administration occurs by the method selected from the group consisting of oral administration, parenteral administration, rectal administration, pharmaceutical adjuvant administration and pharmaceutical carrier administration.
27. (previously added) The method of claim 1 wherein the niacin is in the form selected from the group consisting of nicotinamide and nicotinic acid.
28. (previously added) The method of claim 1 wherein dietary intake of niacin is less than 100 milligrams.
29. (previously added) The method of claim 1 wherein dietary intake of tryptophan is less than 1.44 grams.

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30. (new) A method of increasing systemic tryptophan of humans comprising the step of administering an effective amount of niacin to a human patient to increase systemic tryptophan wherein the effective amount of niacin is 100 milligrams per day or greater.
31. (new) The method of claim 30 wherein the effective amount is approximately 3 grams per day.
32. (new) A method of increasing systemic tryptophan of humans comprising the step of administering an effective amount of niacin to a human patient to increase systemic tryptophan wherein the effective amount of niacin is 100 milligrams per day or greater and wherein the human patient has a plasma tryptophan level of 91 micromol per liter or less.
33. (new) The method of claim 32 wherein the effective amount is approximately 3 grams per day.